

INTERNATIONAL SEARCH REPORT

Int onal Application No
P¹ GB2004/002916

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B23Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B23Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	GB 2 084 057 A (HAMMOND DAVID CHARLES) 7 April 1982 (1982-04-07) the whole document	9-11, 18 1-8, 12-17
X A	WO 03/002320 A (MITSUBISHI MATERIALS CORP ; NIPPON DIAMOND CO LTD (JP); NAGAI ISAMU (J) 9 January 2003 (2003-01-09) the whole document	9-11, 18 1-8, 12-17
A	US 2001/050186 A1 (HINSHAW GREGORY E ET AL) 13 December 2001 (2001-12-13) the whole document	1-18

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

8 September 2004

Date of mailing of the international search report

15/09/2004

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2084057	A	07-04-1982	DE	3138022 A1	06-05-1982
			FR	2490519 A1	26-03-1982
			JP	57089512 A	03-06-1982
WO 03002320	A	09-01-2003	EP	1407865 A1	14-04-2004
			WO	03002320 A1	09-01-2003
US 2001050186	A1	13-12-2001	US	2001013426 A1	16-08-2001
			US	6216800 B1	17-04-2001
			AU	7217901 A	18-04-2002
			AU	763808 B2	31-07-2003
			AU	6062099 A	01-06-2000
			ZA	9906268 A	10-04-2000
			ZA	200107741 A	19-03-2002